CLAIMS

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1. A method on a member of a computing system group for substituting members, the method comprising:

replacing an old member with a new member, wherein the old member is assigned to a subgroup and controls at least one resource;

determining if the new member is within the subgroup;

if the new member is within the subgroup, configuring the new member to control resources that were controlled by the old member;

if the new member is not in the subgroup, replacing the at least one resource with resources controlled by the new member; and

configuring a computing group communications system to accommodate replacement of the old member by the new member.

- 2. The method according to claim 1, wherein the old member is a primary member of a computing system group.
- 15 3. The method according to claim 1, wherein the method is performed in response to a failure of the old member.
 - 4. The method according to claim 1, wherein the new member is in the subgroup, the old member was a primary member and the new member becomes a backup member.
- The method according to claim 1, wherein the old member is a backup member.
 - 6. The method according to claim 1, wherein the method is performed in response to a failure of at least one of the at least one resources.

7. The method according to claim 6, wherein the new member is selected based upon a new resource that is selected to be substituted for the at least one of the at least one resources.	

8. A member of a computing system group, the member comprising: a group management component for:

selecting a new member to replace an old member, wherein the old member is assigned to a subgroup and controls at least one resource; and determining if the new member is within the subgroup; a resource controller for:

configuring the new member to control resources that were controlled by the old member if the new member is within the subgroup; and replacing the at least one resource with resources controlled by the new member if the new member is not in the subgroup; and a communications controller for configuring a computing group communications system to accommodate replacement of the old member with the new member.

- 9. The member according to claim 8, wherein the old member is a primary15 member of a computing system group.
 - 10. The member according to claim 8, wherein the group management component, the resource controller and the communications controller operate in response to a failure of the old member.
 - 11. The member according to claim 8, wherein the new member is in the subgroup, the old member was a primary member and the group management component operates to cause the new member to become a backup member.
 - 12. The member according to claim 8, wherein the old member is a backup member.

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- 13. The member according to claim 8, wherein the group management component, the resource controller and the communications controller operate in response to a failure of at least one of the at least one resources.
- 14. The member according to claim 13, wherein the group management
 5 controller selects the new member based upon a new resource that is selected to be substituted for the at least one of the at least one resources.

15. A signal bearing medium including a program which, when executed by a processor, performs operations for substituting members, the operations comprising:

selecting a new member to replace an old member, wherein the old member is assigned to a subgroup and controls at least one resource;

determining if the new member is within the subgroup;

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if the new member is within the subgroup, configuring the new member to control resources that were controlled by the old member;

if the new member is not in the subgroup, replacing the at least one resource with resources controlled by the new member;

configuring a computing group communications system to accommodate replacement of the old member with the new member.

- 16. The signal bearing medium of claim 15, wherein the old member is a primary member of a computing system group.
- 15 17. The signal bearing medium of claim 15, wherein the operations are performed in response to a failure of the old member.
 - 18. The signal bearing medium of claim 15, wherein the new member is in the subgroup, the old member was a primary member and the new member becomes a backup member.
- 20 19. The signal bearing medium of claim 15, wherein the old member is a backup member.
 - 20. The signal bearing medium of claim 15, wherein the operations are performed in response to a failure of at least one of the at least one resources.

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	The signal bearing medium of claim 20, wherein the new member is selected dupon a new resource that is selected to be substituted for the at least one of the least one resources.